

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: IL-WON SHIN

GENERAL INFORMATION:

Name:	Marathon Petroleum Company LLC
Address:	201 Ashland Road, Paducah, KY 42003
Date application received:	December 27, 2000 and January 9, 2006
SIC/Source description:	5171, Petroleum Bulk Stations & Terminals
Source ID #:	21-145-00017
Source A.I. #:	3052
Activity #:	APE20050002 and APE20040001
Permit number:	F-06-038

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application

EMISSIONS SUMMARY:

The following table represents the facility total Actual and Potential to Emission (PTE).

Pollutant	2005 Actual (tpy)	Potential (tpy)
VOC	29.9	81.85
NO _x	1.8	4.885
CO	4.5	12.30
Individual HAP	< 10	< 10
Total HAP	< 25	< 25

SOURCE DESCRIPTION:

Marathon Petroleum Company LLC (MPC) owns and operates a terminal in Paducah, Kentucky. The terminal receives product by barge, stores the product in tanks, and then loads the product to tank trucks for distribution. The terminal is currently permitted under Kentucky air operating permit F-96-031 (revision 1).

Operating permit F-96-031 (revision 1) was issued to the terminal in 1998. Marathon submitted a renewal application for this operating permit that included construction of a new gasoline tank on August 29, 2001. On September 9, 2005, Marathon submitted letters to the Division requesting the addition of alternate control devices for the terminal. In addition, Marathon submitted two modified applications on November 21, 2005 and January 9, 2006, respectively. At this time, Marathon is requesting a completely updated conditional major air permit for the Paducah terminal.

Marathon submitted a construction application for Tank 601 conversion to internal floating roof on July 11, 2006. The converted tank will be primarily intended for ethanol storage, but will also be capable of storing gasoline, diesel, distillate, and kerosene. The installation of the internal floating roof on this tank does not affect the terminal's gasoline throughput capacity, which is a function of market demand. Marathon also requested that this revision be considered additional information for the Conditional Major renewal application, and that the change be included in the renewed Conditional Major permit.

EMISSION AND OPERATING CAPS DESCRIPTION:

In order to ensure that the terminal remains exempt from the regulations to major sources of criteria and hazardous air pollutant (HAP) emissions, including the Gasoline Distribution MACT (40 CFR 63 Subpart R), Marathon is requesting a Conditional Major permit. Terminal emissions will be limited to less than 90 ton/yr volatile organic compounds (VOC), 22.5 ton/yr total HAP, and 9 ton/yr individual HAP. Monthly and rolling 12-month total emissions will be calculated. Emission calculations and supporting documentation will be retained at the terminal.

OPERATIONAL FLEXIBILITY:

None